



Improving Project Delivery: Bids & Contracts Process

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Project Delivery

- Project conception to ribbon cutting
- Efforts underway to improve planning and design times
- Also, need to monitor and improve timely completion during the construction phase

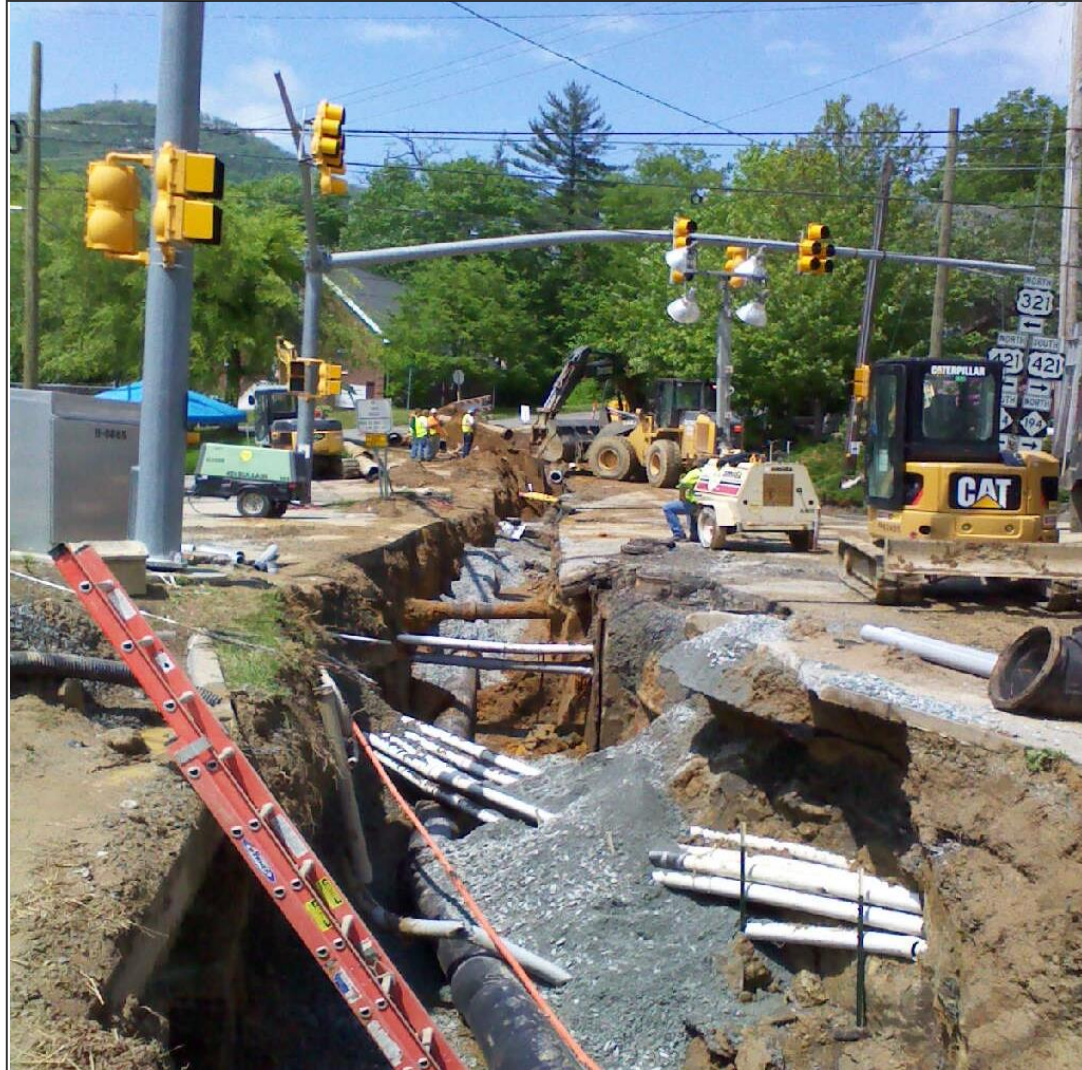
Roles

- Division staff manages projects.
- Central Office provides support role, policy development, training, and promotes consistency within 14 Divisions.

Project Delays – Construction Phase

- Utility conflicts
- Unanticipated site conditions
- Added work/scope changes
- Weather
- Contractor performance

Utility Conflicts



Unanticipated Site Conditions



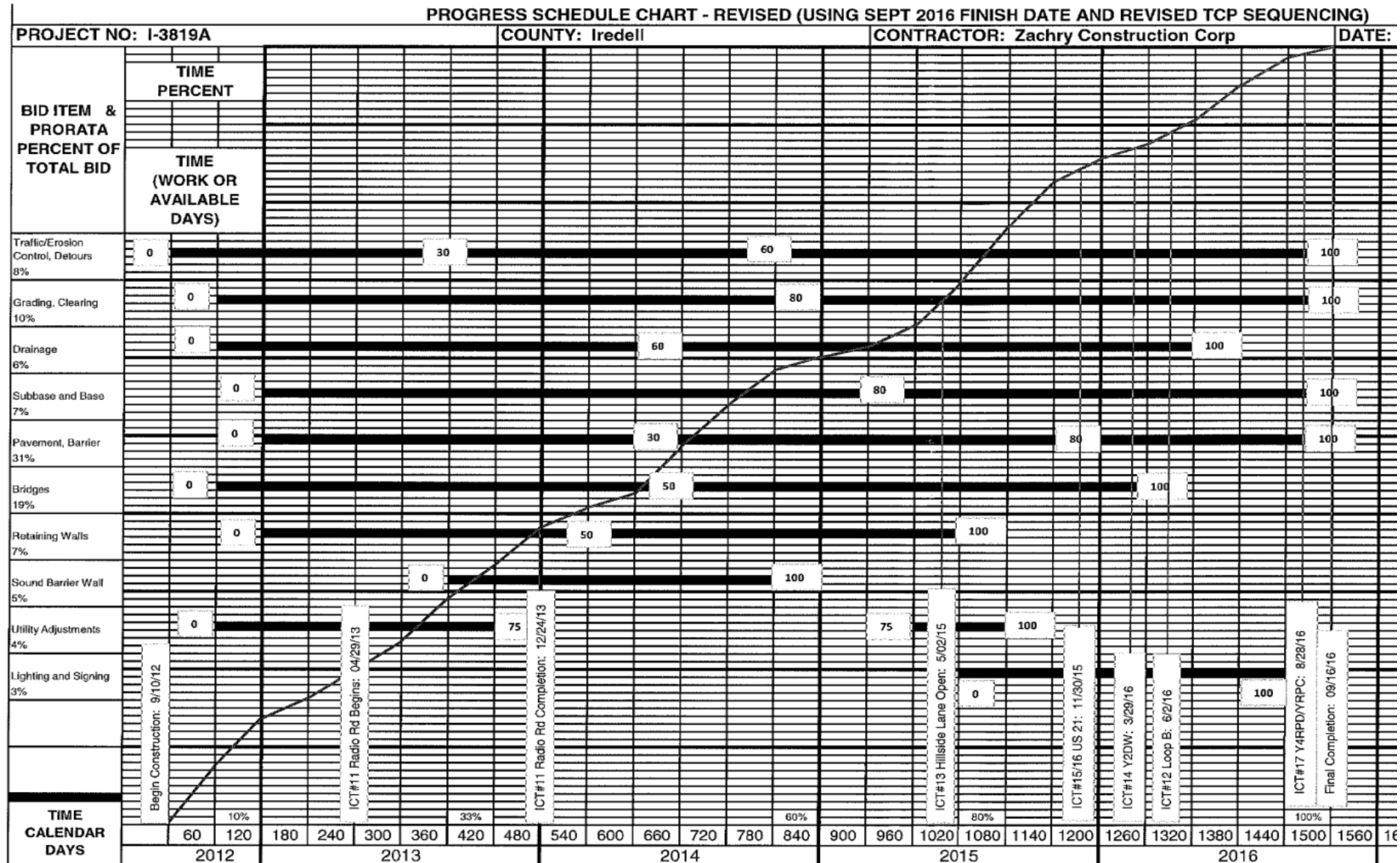
Scope Changes



Weather Impacts



Contractor Performance / Progress Monitoring



Project Progress Monitoring

Division Role:

- Monthly monitoring
- Letter of Concern - sent by Division staff when 10% behind
- Special meeting with contractor to review issues and plan for improvement

Project Progress Monitoring

Central Office Role:

- Letter of Show Cause – sent by Central Office when 15% behind
- Meeting to review details and allow contractor to explain why bid restrictions should not be implemented

Project Progress Monitoring

Bid Restrictions:

- Prohibited from bidding as a prime contractor on any NCDOT project
- Prohibited from bidding as a subcontractor on any NCDOT project
- Last 5 years - bid restrictions on 24 contractors

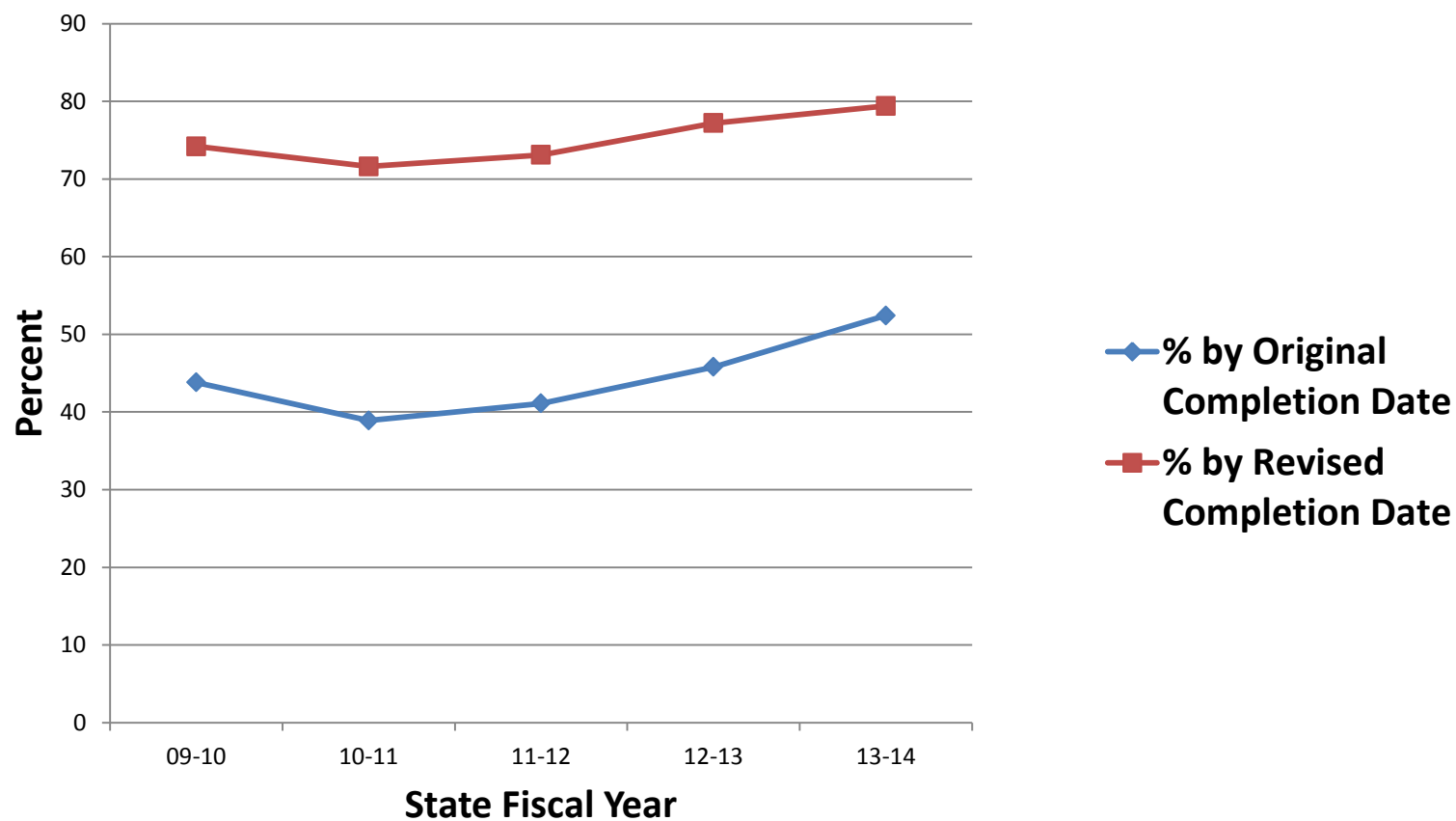
Statistics FY 2009 - 2014

- 2,254 projects
- Average contract duration: 245 days
- Average completion: 34 days late (when compared to the original completion date)

Statistics FY 2009 - 2014

- 2,254 projects
- 45% completed by original completion date
- 75% completed by revised completion date
- 85% completed within 2 weeks of revised completion date

Percent Complete On-Time



Improvements

Utilities:

- Design phase process improvement: Start utility review and relocation earlier
- Include utility construction in the contract where possible

Improvements

- Incentive vs. penalty
- Floating start dates
- Technology advances to reduce weather impacts

Improvements

Follow Tracking Process:

- Letters of Concern
- Letters of Show Cause
- Resolve issues early in the project

- Questions?